Reimagine your business outcomes with Generative AI

AI-enabled data matching, forecasting, and scenario planning

In today's dynamic business landscape, many organizations struggle with complex and time-consuming challenges in reconciling data, forecasting, and planning across critical areas like supply, demand, product, people, and budgets. These issues not only impact profitability and customer satisfaction, but also expose organizations to financial risks and regulatory compliance issues.
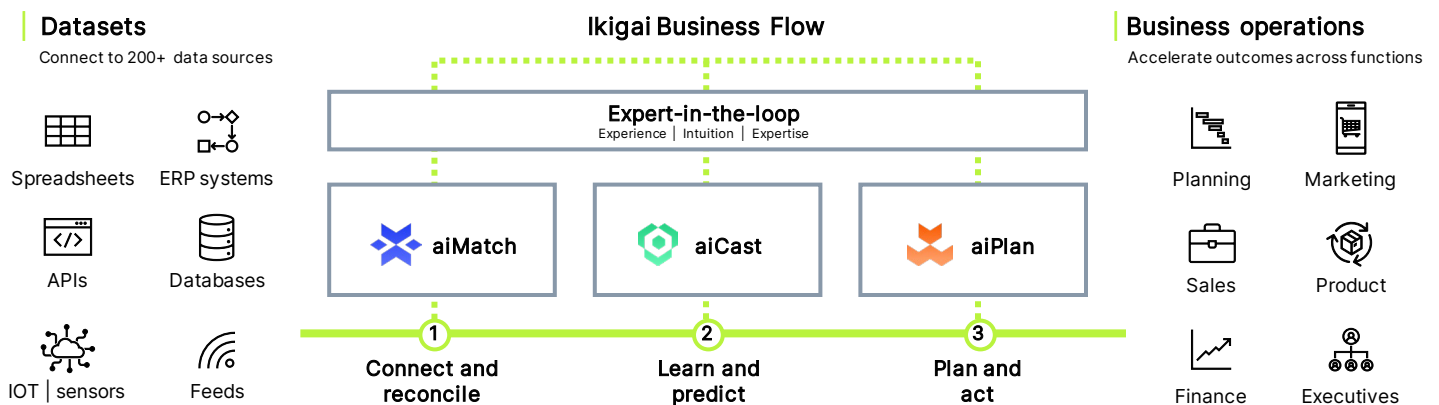
The root of the problem often lies in not having a single view of structured business information critical to making cohesive decisions across the company. It's not surprising since the average business interacts with over 400 different datasets daily[1], many of which consist of tabular and time-series data.

Time series data is the lifeblood of your business processes, containing historical information about your customers, employees, suppliers, products, budgets and more. Unfortunately, this data is often sparse and inconsistent, making it difficult to match with relevant internal and external data sources to create a complete and cohesive picture of your business environment. These information gaps lead to disjointed and siloed decision-making which often impact your business' bottom line.

Turning time series data into business outcomes with the Ikigai platform

For consistent and predictable business performance, companies require agile decision-making driven by one tabular view of data, empowering predictive insights, confident forecasts, and agile scenario planning. Enter Ikigai, the Generative AI platform built for structured and time series data.

Ikigai seamlessly connects disparate data sources and formats, constructing a singular, comprehensive view of business performance and its influencing factors. This helps companies more easily recognize patterns, rectify anomalies, generate precise predictions, and evaluate scenarios based on a variety of business constraints – all resulting in more predictable outcomes across the business.

Datasets	Ikigai Business Flow	Business operations
Connect to 200+ data sources		Accelerate outcomes across functions

Expert-in-the-loop
Experience | Intuition | Expertise

aiMatch	aiCast	aiPlan

1 — Connect and reconcile
2 — Learn and predict
3 — Plan and act

Datasets: Spreadsheets, ERP systems, APIs, Databases, IOT | sensors, Feeds

Business operations: Planning, Marketing, Sales, Product, Finance, Executives

Key features and benefits of the Ikigai platform

▶ **One-click connect**
Easily integrate with 200+ connectors and APIs for a single view of trusted data

▶ **User-friendly interface**
Get started quickly with an intuitive user experience for the business user and robust builder environment for data scientists and developers

▶ **Reinforcement learning**
Improve accuracy and explainability with integrated eXpert-in-the-loop

▶ **Robust builder experience**
Improve interaction and collaboration with business stakeholder with custom web apps built for purpose

▶ **Intuitive visualizations**
Speed decision-making with customizable charts, graphs, and dashboards with model explainability

▶ **Custom facets and connectors**
Accelerate development of future models with repeatable flow, facets and connectors

Understanding Large Graphical Models (LGMs)

The Ikigai platform is based on patented large graphical models (LGMs) which are specifically designed for time series data. LGMs provide a computationally efficient, probabilistic representation of data which addresses the key challenges of time series data, such as missing data values, sparse and inconsistent data.

Unlike existing AI models that are typically trained on internet-scale data, large graphical models require very little historical data and computational resources to produce highly accurate results, making them well-suited to enterprise use cases.

A full-stack solution for every business process

At the foundation of the Ikigai platform are three core LGM models. **aiMatch** connects and harmonizes data, **aiCast** senses and forecasts demand, and **aiPlan** performs what-if scenario planning to help you make the right choices for your business. The platform provides a user-friendly LLM-based guide that transforms your text-based requests into automated workflows within the platform.

aiMatch

Unified data foundation

Connects and combines multiple data sources

Imputes missing data

Performs feature engineering with auto-correlations

Integrates eXpert-in-the-loop to resolve and improve data quality

aiCast

Multivariate forecasting

Generates forecasts with limited historical data

Upside and downside built into confidence intervals

Runs and aggregates forecasts across any interval

Compares predicted historical sales to actual historical data

Learns from correlations across SKUs and external data sets

aiPlan

AI-powered scenario planning

Explores what-if scenarios across outcomes and constraints

Identifies optimal tradeoffs

Assesses impact of decisions on cash flow, profitability, or other business levers

Continuously stress-tests plans with live data

Improving outcomes with generative AI plus human intelligence

The **eXpert-in-the-loop** (XitL) capability blends human expertise with the power of AI. It is a vital bridge between data-driven insights and real-world decision-making, enabling domain experts to train and improve the AI models with industry-specific knowledge and intuition. This fusion of human expertise and artificial intelligence empowers more informed, context-aware choices, driving greater competitive advantage and profitability.

Learn more

www.ikigailabs.io

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